CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 8 July 2004 (08.07.2004)

PCT

(10) International Publication Number WO 2004/056863 A3

- (51) International Patent Classification⁷: C07K 14/61, C12N 5/00, A61K 38/27, 39/00, A01K 67/00
- (21) International Application Number:

PCT/GB2003/005594

(22) International Filing Date:

19 December 2003 (19.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0229850.3

20 December 2002 (20.12.2002) GE

- (71) Applicant (for all designated States except US): ARES TRADING S.A. [CH/CH]; Chateau de Vaumarcus, CH-2028 Vaumarcus, Switzerland (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): FAGAN, Richard, Joseph [US/GB]; Inpharmatica, 60 Charlotte Street, London W1T 2NU (GB). PHELPS, Christopher, Benjamin

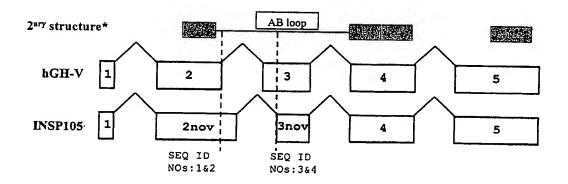
[GB/GB]; Inpharmatica Limited, 60 Charlotte Street, London W1T 2NU (GB). RODRIGUES, Tania, Maria [PT/GB]; Inpharmatica Limited, 60 Charlotte Street, London W1T 2NU (GB). POWER, Christine [GB/FR]; 10, rue des Jonquilles, F-01710 Thoiry (FR). DE TIANI, Mariastella [CH/CH]; Rue des Sablons 6, CH-1205 Geneve (CH).

- (74) Agents: GOODFELLOW, Hugh, Robin et al.; Carpmaels & Ransford, 43-45 Bloomsbury Square, London WC1A 2RA (GB).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

[Continued on next page]

(54) Title: SPLICE VARIANT OF HUMAN PLACENTAL GROWTH HORMONE

Gene Structure



*Secondary structure is based on hGH-N structure

(57) Abstract: This invention relates to a novel protein, termed INSP105, herein identified as a novel splice variant of human placental growth hormone and to the use of this protein and nucleic acid sequences from the encoding genes in the diagnosis, prevention and treatment of disease.

SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- (88) Date of publication of the international search report: 19 August 2004
- (48) Date of publication of this corrected version:
 30 September 2004
- (15) Information about Correction: see PCT Gazette No. 40/2004 of 30 September 2004, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.